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United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

SEPTEMBER 1935

Any five of the nontechnical publications listed herein, except those otherwise noted, may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the Department's supply lasts. After this supply is exhausted, publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase at the prices stated herein. His office is not a part of the Department of Agriculture.

Free distribution of technical material and periodicals is restricted.

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

The native persimmon. W F. Fletcher, Bureau of Plant Industry. 22 p., illus. (F. B. 685F., rev.) Price, 5¢.

Greenhouse tomatoes. James H. Beattie, Bureau of Plant Industry. 28 p., illus. (F. B. 1431F., rev.) Price, 5¢.

The European corn borer: Its present status and methods of control. D. J. Caffrey, Bureau of Entomology and Plant Quarantine. 39 p., illus. (F. B. 1548F., rev.) Price, 5¢.

Spray-residue removal from apples and other fruits. M. H. Haller, Edwin Smith, and A. L. Ryall, Bureau of Plant Industry. 26 p., illus. (F. B. 1752F.) Price, 5¢.

Up to the present time no spray has been found that is nontoxic to humans, effective in controlling the codling moth, and economically feasible. Until such a spray is found the fruit grower must continue to rely on lead arsenate or other toxic materials and remove the excessive residue.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

The desert milkweed (*Asclepias subulata*) as a possible source of rubber. R. E. Beckett and R. S. Stitt, Bureau of Plant Industry. 20 p., illus. (T. B. 472T.) Price, 5¢.

Strains of this milkweed were established in cultivation with seed collected from wild plants growing in the vicinity. This afforded material for cultural and other experiments and for comparisons with wild plants. The nature of these experiments and the results obtained are contained in this bulletin, with notes on the description and distribution of the species.

The use of carbon disulphide against the Japanese beetle. W. E. Fleming and F. E. Baker, Bureau of Entomology and Plant Quarantine. 92 p., illus. (T. B. 478T.) Price, 10¢.

In view of the general interest in carbon disulphide for the control of soil-infesting insects, this publication attempts to bring together a summary of the published and unpublished experimental data and the pertinent facts relating to the use of this chemical against the Japanese beetle.

Organization and management of apiaries producing extracted honey in the white clover region. R. S. Washburn, Bureau of Agricultural Economics, and G. E. Marvin, Bureau of Entomology and Plant Quarantine; in cooperation with the State College of Agriculture and the Agricultural Experiment Station at Cornell University, the College of Agriculture and the Agricultural Experiment Stations of the Universities of Wisconsin and Minnesota, the State Colleges of Agriculture of Michigan and Iowa, and Ohio State University. 44 p. illus. (T. B. 481T.) Price, 5¢.

This bulletin shows the organization of the extracted honey business in a number of apiaries in the region and the cost of producing extracted honey, and traces the variation from apiary to apiary of some of the factors relative to economy and efficiency in the production of extracted honey.

Effect of alfalfa and farm manure on yields of irrigated crops in the Great Plains. Stephen H. Hastings, Bureau of Plant Industry. 40 p. (T. B. 483T.) Price, 5¢.

This publication describes 21 years of experiments with farm manure and alfalfa on subsequent crop yields at the Belle Fourche, Huntley, and Scotts Bluff Field Stations. These stations are located in the northern part of the Great Plains. The crops involved are sugar beets, potatoes, and oats.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Slash disposal in ponderosa pine forests of the Southwest. G. A. Pearson and Arthur C. McIntyre, Forest Service. 29 p., illus. (Cir. 357C.) Price, 5¢.

The purpose of this circular is to assemble information acquired in part by the process of trial and error through years of practice, in part by experimentation and measurement, and in part by analysis of statistics.

A device for separating different lengths of fibers from seed cotton. Homer C. McNamara and Robert T. Stutts, Bureau of Plant Industry. 16 p., illus. (Cir. 360C.) Price, 5¢.

The writers have developed a sorter for seed cotton to a point where the general mechanical details have been worked out. It has certain advantages which may prove useful to others and which may be further refined by them through use and experience.

Removing smut balls from seed wheat. W. M. Hurst and W. R. Humphries, Bureau of Agricultural Engineering; R. W. Leukel, Bureau of Plant Industry, and E. G. Boerner, Bureau of Agricultural Economics. 16 p., illus. (Cir. 361C.) Price, 5¢.

Little effort has been made to determine the effectiveness of seed-cleaning equipment and methods for removing dockage materials from grain in order to increase its market value. This circular sets forth the possibilities of a number of grain-cleaning devices in this direction.

Safflower, a possible new oilseed crop for the northern Great Plains and the far Western States. Frank Rabak, Bureau of Plant Industry. 15 p., illus. (Cir. 366C.) Price, 5¢.

Safflower is suggested as a new dry land and irrigation crop for the production of a drying oil to supplement the supply in the United States of other domestic drying oils, the production of which does not equal the demand. It also seems well adapted to winter dry-land farming in certain sections.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

Rainfall intensity-frequency data. David L. Yarnell, Bureau of Agricultural Engineering. 68 p., illus. (M. P. 204MP.) Price, 10¢.

This investigation was made to determine the frequency at which excessive rates of precipitation occur in different sections of the United States, and the intensity and duration of those rates. It is believed that this study has developed data sufficient for predicting with reasonable accuracy the period of recurrence of intense precipitations in any part of the United States.

Manual on preservative treatment of wood by pressure. J. D. MacLean. Forest Service. 124 p., illus. (M. P. 224MP.) Price, 15¢.

Discusses the application of the results of certain experiments and observations to the improvement of the pressure treatment of wood and presents general information relating to the subject. Of value to engineers, treating-plant operators, inspectors, and others interested in the preparation of specifications and in the application of pressure-treating processes.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Bureau of Animal Industry, Service and Regulatory Announcements. June 1935. Pp. 55–104. (S. R. A.–B. A. I. 338); July 1935. Pp. 105–116. (S. R. A.–B. A. I. 339.) Price, 5¢ each.[1]

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[1] Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Indicate below, by numbers **IN NUMERICAL ORDER**, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelop to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Be sure to fill in blank form on reverse side.

Farmers' Bulletins	Leaflets	Other publications

Text of Federal laws relating to the protection of wildlife. Bureau of Biological Survey. 20 p. (S. R. A.–B. S. 82.)[2]

Bureau of Entomology and Plant Quarantine, Service and Regulatory Announcements. April–June 1935. Pp. 27–47. (S. R. A.–B. E. P. Q. No. 123.)[2]

SOIL SURVEYS

These reports consist of two parts: (1) a soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area surveyed and to soil specialists. All requests for Soil Surveys are referred to the Bureau of Chemistry and Soils, which controls their distribution.

Colorado, Longmont area. (No. 29, series 1930.) 35 p. Price, 40¢.

OTHER PUBLICATIONS

Wood handbook. Basic information on wood as a material of construction with data for its use in design and specification. Prepared by Forest Products Laboratory, Forest Service. 326 p., illus. Price, 25¢.

This handbook is based chiefly upon the accumulation of information that has resulted from engineering investigations and allied studies conducted by the Laboratory during the past 20 years. Other sources have also been drawn upon freely. Of interest to architects, engineers, manufacturers, and users of woods.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 19, no. 9, September 1, 1935. Price, 5¢ a copy; 25¢ a year, domestic; 45¢ a year, foreign.[1]

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Crops and markets. Vol. 12, no. 8, August 1935. Price, 10¢ a copy; $1.00 a year, domestic; $1.50 a year, foreign.[1]

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily except Sundays and holidays, 25¢ a month, $3 a year; daily, including Sundays and holidays, 30¢ a month, $3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscription, $7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States, 20¢ a month, $2.40 a year.[1]

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[1] Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

[2] These may be obtained from the issuing bureau.

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Experiment station record. Vol. 73, no. 3, September 1935. Price, $1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; $1.50 per volume, foreign. Single number for sale only. Price, 15¢.[1]

A technical view of the world's scientific literature pertaining to agriculture.

Extension service review. Vol. 6, no. 9, September 1935. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 75¢ a year, foreign.[1]

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Journal of agricultural research. Price, $3.25 a year domestic; $4.75 a year foreign. Each issue, 15¢ domestic; 20¢ foreign. Reprints, 5¢ domestic; 8¢ foreign.[1] Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

——— Vol. 51, no. 2, July 15, 1935. Illus.

Contents:

Principles of snow surveying as applied to forecasting stream flow (Nev.–5). J. E. Church.
Nemic parasites and associates of the mountain pine beetle (*Dendroctonus monticolae*) in Utah (G–969). Gerald Thorne.
Studies on the variability of pathogenicity and cultural character of *Gibberella saubinetii* (G–972). Arnold J. Ullstrup.
Rates of growth and nitrogen assimilation of Havana Seed tobacco (Conn. (New Haven)–5). M. F. Morgan and O. E. Street.
The digestible nutrients of Napier grass and *Crotalaria intermedia* silages, Natal grass hay, and the dried refuses of grapefruit and orange canneries (Fla.–16). W. M. Neal, R. B. Becker, and P. T. Dix Arnold.
Bacterial leaf spot of alfalfa (Wis.–68). A. J. Riker, F. R Jones, and Marguerite C. Davis.
Calcium cyanamide in relation to control of clubroot of cabbage (Wis.–69). J. C. Walker and R. H. Larson.

Public roads. Vol. 16, no. 7, September 1935. Price, 10¢ a copy; $1 a year, $1.50 a year, foreign.[1]

Weekly weather and crop bulletin. Nos. 36–39, September 3–24, 1935. Price, 50¢ a year; domestic, $1 a year, foreign.[1]

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

AGRICULTURAL ADJUSTMENT ADMINISTRATION

G–42. Facing the facts in the agricultural situation. 13 p.[2]

G–44. Industry's production policies and the farmer. 8 p.[2]

G–45. America must choose its course in foreign trade. 8 p.[2]

The wheat situation and the 1936–39 wheat production adjustment program. Commodity information series—Wheat Leaflet no. 3. 8 p.[2]

[1] Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

[2] These may be obtained free upon application to the Agricultural Adjustment Administration.

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